

Receiving Report

Date:

13/6/27

Batch No:

M126151

Supplier:

METALUX CASTLE

Dart P/O:

20231

Packing Slip:

Yes ☒ No ☐

Invoice:

Yes ☐ No ☒

Receipt:

Cash ☐ Cr ☐

Release Note Attached:

Yes ☒ No ☐ N/A ☐

Waybill Attached:

Yes ☒ No ☐ N/A ☐

Shipment Complete:

Yes ☒ No ☐ N/A ☐

QC6 Inspection

OK 13/06/28 N/A ☐

Work Order

N/A ☒

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments

Initials of receiver (if shipment OK) Level 12

[Signature]

Production/Admin:

Date

13/6/27

Received/Costing

[Signature]

Initial

[Signature]

Location

Purchase Order Receipt Listing

Thursday, June 27, 2013 1:01:21 PM

All amounts are calculated in domestic currency.

All Vendors PO ID PO20231 Receipt Dates from 6/27/2013 to 6/27/2013 All Line Item Types
All Item ID/GL/WOs All Rec. Employees All Currencies
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID \ Vendor Name VC-MET001 Metaux Castle											
PO20231	1		M304B0.250x0.500 f	f	6/28/2013 500.0000	6/27/2013 DES102	509.0833	\$2.34	0.0000	0	\$1,193.16
CAD	No		304 BAR 250 x .500 f	f	500.0000	DES102		\$1,193.16	0.0000	0	
			m126151								
	2		M304R.500	f	6/28/2013 48.0000	6/27/2013 DES102	48.0000	\$1.42	0.0000	0	\$68.06
	No		304 SS round bar .500 f	f	48.0000	DES102		\$68.06	0.0000	0	
			m126151								
	3		M304R1.000	f	6/28/2013 24.0000	6/27/2013 DES102	24.0000	\$5.82	0.0000	0	\$139.58
	No		304 round bar 1.00	f	24.0000	DES102		\$139.58	0.0000	0	
			m126151								
	4		M304R1.250	f	6/28/2013 12.0000	6/27/2013 DES102	12.0833	\$9.18	0.0000	0	\$110.95
	No		304 round bar 1.250 f	f	12.0000	DES102		\$110.95	0.0000	0	
			m126151								

Total Received Quantity:
Total Qty to Inspect (PO U/M):
Total Reject Quantity:
Total Receipt Value:
Total Balance Due Quantity:

593.1666
0.0000
0.0000
\$1,511.72
0.0000



Castle Metals®

A. M. Castle & Co.

PACKING SLIP/
CERTIFICATE OF CONFORMANCE

Page 1 of 1

Shipment No: 1796462

Ship From: A. M. Castle & Co. MONTREAL - CASTLE METALS 835-SELKIRK AVENUE POINTE CLAIRE, QUEBEC H9R 3S2		Sold To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		Ship To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN		Deliver To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
Date Shipped 25-JUN-2013	F.O.B. ORIGIN	Freight Terms Prepaid	Carrier MANITOULIN	BOL No 1796462-2			

Shipment Details	Final Destination Branch - MON
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Order No 2914169	Line No 4	Item No 4969	Description 0.2500.0.5000.FLAT.304.STAINLESS.HR.ANN.PICKLE.132.0000-156 .0000 SPECIFICATIONS: ASTM A276				
Purchase Order No 20231	Part Number		Ordered Qty 500.00 FT	Invoice Qty 509.0833 FT			
Details END USER: DART AEROSPACE END USE: COMMERCIAL AIRCRAFT PARTS ECCN # EAR99							
Delivery No. 118842878	Mill VALBRUNA CORPORATION	Heat Number 425382	Mech Id 41	PCS	Width (IN) 1.0000	Length (IN) 149.0000	Shipped Qty(LBS) 216.3604

These commodities/technologies are subject to US Export Administration & US State Dept. Regulations and, if intended for export, were/are exported thereunder. Diversion contrary to US Law is Prohibited.	
We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut by the customer cannot be returned for credit.	
Reviewed by Authorized Castle Metals Representative:	Date: Name:

13/06/28
M 30430.250 No. 500
M 126181

Castle Metals (Franklin Park Items)

HEAT NUMBER: 425382
MECHANICAL ID:
ITEM CODE: 4969
PO/LINE NUMBER:
RECEIPT NUMBER:
SUPPLIER: VALBRUNA
SPECIFICATION:
LCS: NO
COMMENT: RECERT
APPROVED: LC



QUALITY MANAGEMENT SYSTEM
CERTIFIED BY LLOYD'S REGISTER

36100 VICENZA (Italia) - Viale della scienza, 25 z.l.

Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

Cliente / Besteller/Purchaser/Cliant
VALBRUNA STAINLESS INC.
2400 TAYLOR STREET WEST
46801-FORT WAYNE, IN 46801-US

Produttore: **ACCIAIERIE VALBRUNA S.P.A.**
Hersteller/Item/Usine productrice

Avviso di Spedizione: D-VI12020988
Lieferanzeiger/Packing list/B.L.

Ordine nr: 33241 173185 CASTLE
Bestell/Your order/Commande

Certificato nr: MEST222025/2012/ 1
Prüfung/Test/Essai

Conferma ordine nr: El1 2004377
Werks/Our Order/Ref. nr.

Marchio di Fabbrica:
Zeichen des Lieferwerkes
Trade mark
Sigle de l'usine productrice



Stato di fornitura: Hot rolled Descaled Annealed Hot rolled
Lieferzustand/Delivery state/Etat de livraison

Tipo di Elaborazione: E+AOD
Erweichungsart/Melting process/Mode d'elaboration

Punzone del Collaudatore:
Stempel des Werkssachverständigen
Inspector's stamp/Poinçon de l'assesseur

Specifiche:
Anforderungen / Requirements / Exigences

3304-34 3 304 A
ASTM A262 2010 PRACTICE E

AMS-QQ-S-763 B 304 A
ASTM A276 2010 S30400 A

ASME SA479 2010 S30400 A (0)
ASTM A479 2011 S30400 A

(0) SEC. II PT.A 2010 EDITION ADD. 2011a

Qualità: T-304L #4969
Werkstoff/Grade/Nuance

Marca: AISL
Markenbezeichnung
Brand/Nuance

Tolleranza: ASTM A484-11 TABLE 5
Tolleranz/Allowance/Tolerance

Punzonatura: 304
Kennzeichnung/Marking/Marquage

Pos. nr. Pos. nr. Item nr. Nr. de poste	Oggetto Gegenstand Produit description Descrip. du produit	Dimensioni - In Abmessungen Dimension Dimension	Lunghezza - In Länge Length Longueur	Colata Schmelze Heat Coulée	Pezzi Stückzahl Pieces Pieces	Peso - LB Gewicht Weight Poids	Lotto nr. Losnr. Lot nr. Lot nr.
0030	Flat	0,5000 x 0,2500	148 / 150	425382		1.993	114403711

TEST ALLO STATO DI FORNITURA

Test on delivery condition Prüfung auf lieferbarem produkt test a l'etat de fourniture Prueba sobre el material así como entregado

TEST	Provetta/Pretestab Specimen/Eprouvette Long diam. Spec. Bore Diam. Dieck Width Diam. Thickness Long. diam. size mm	°F	Posiz. Saggio Probeage Locales Emplacement 1)	Snervamento Strechgrenze Yield Stress Limite elastique Rp 0.2% k.s.l.	Snervamento Strechgrenze Yield Stress Limite elastique	Resistenza Zugfestigkeit Tensile strength Resistance à traction Rm k.s.l.	Allungamento Bruchdehnung Elongation Allongement E 4d %	Strizione Bruchdehnung Reduction of area Striction RA %	Resilienza Kerbschlagarbeit Impact Value Resilience	Durezza Härte Hardness Dureté HB
Valori richiesti 1 Anforderungen/Required values Valeurs demandées	min max			30	-	75 115	40	50	-	-
A	12X6	68	L	39		82	59	69		170

TEST	min	max
Grain size for ASTM E112		5

1) L=longitudinale/längs, T=transversale/quer, Q=Tangenziale/tangentiel

Analisi chimica

Chemische Zusammensetzung/Chemical Analysis/Analyse chimique

Colata - Heat Schmelze/Coulée	min max 0,080	1,00	2,00	18,00 20,00	1,00	1,00	8,00 10,50	0,045	0,030	0,100	-	-	-	-	-
C %	Si %	Mn %	Cr %	Mo %	Cu %	Ni %	P %	S %	N %						
425382	0,030	0,44	1,70	18,14	0,48	0,40	8,20	0,028	0,025	0,081					

Annealing temperature: 1940°F for 0.5 h/water.

Intergranular corrosion test per ASTM A262 pract. E: OK.

Material is DFARS Compliant

Sono state soddisfatte tutte le condizioni richieste
Die gestellten Anforderungen sind lt. Anlage erfüllt
The material has been furnished in accordance with the requirements
Le matériel a été livré conforme aux exigences

Controllo antimescolanza: OK
Verwechslungsprüfung: spectralanalytisch durchgeführt
Antimixing testing performed: OK
Contrôle antime mélange fait: r.a.s.

Controllo visivo e dimensionale: soddisfa le esigenze
Besichtigung und Ausmessung: ohne Beanstandung
Visual inspection and dimensional checks: satisfactory
Contrôle visuel et dimensions: satisfaisant

Melted and manufactured in Italy No welding or weld repair Material free from Mercury contamination

We declare that the finished product is checked for radioactive contamination through Portal System when it leaves the production plant.

The Quality Management System is Certified acc. Pressure Equipment Directive [97/23/EC] Annex 1, s. 4.3 by TUEV and LLOYD'S

Any act of tampering, modification, alteration, counterfeiting and/or falsification and/or any other action which modifies the contents of this test certificate shall constitute a violation of applicable civil and criminal laws. Acciaierie Valbruna shall protect its rights and interests before any competent court, authority and jurisdiction.

The supplied product conforms to requirements expressly requested by the purchaser and conforms to requirements specified by certified norms and standards. Should the product be used for more severe, critical and/or in any case different applications than those the material is generally intended for, any different and/or supplementary requirements shall be specifically demanded, at least, upon order of the Product by the Purchaser. Acciaierie Valbruna SpA shall not be responsible for any improper use of the Products.

Vicenza, 10/06/13

VCC0008
(Mod. MCE2)

Il collaudatore di stabilimento / der Werkssachverständiger / Works inspector / L'agent d'usine

M. Rizzotto

Pagina - 1 di 1



Castle Metals®

A. M. Castle & Co.

PACKING SLIP/
CERTIFICATE OF CONFORMANCE

Page 1 of 1

Shipment No: 1796462

Ship From: A. M. Castle & Co. MONTREAL - CASTLE METALS 835-SELKIRK AVENUE POINTE CLAIRE, QUEBEC H9R 3S2		Sold To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		Ship To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN		Deliver To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA			
Date Shipped 25-JUN-2013		F.O.B. ORIGIN		Freight Terms Prepaid		Carrier MANITOULIN		BOL No 1796462-2	

Shipment Details Final Destination Branch - MON

Order No 2914169	Line No 1	Item No 15044	Description 0.5000.RD.304/304L.STAINLESS.CF.ANN.132.0000-156.0000 SPECIFICATIONS: ASTM A276						
Purchase Order No 20231	Part Number		Ordered Qty 48.00 FT		Invoice Qty 48.0000 FT				
Details END USER: DART AEROSPACE END USE: COMMERCIAL AIRCRAFT PARTS ECCN # EAR99									
Delivery No. 118840019	Mill NORTH AMERICAN STAINLESS	Heat Number H2H2	Mech Id	PCS 4	Width (IN)	Length (IN) 144.0000	Shipped Qty(LBS) 32.0640		

These commodities/technologies are subject to US Export Administration & US State Dept. Regulations and, if intended for export, were/are exported thereunder. Diversion contrary to US Law is Prohibited.

We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit.

Reviewed by Authorized Castle Metals Representative: *amb* Date: 13/06/28 Name:



NORTH AMERICAN
STAINLESS

METALLURGICAL TEST REPORT

6870 Highway 42 East
Ghent, KY 41045-9615
(502) 347-6000

Certificate: 833559 14 Mail To: A.M. CASTLE AND COMPANY
1420 KENSINGTON ROAD-SUITE 220
OAK BROOK IL 60523
Customer: 0032 001
NAS Order: LN 97566 1
Your Order: 217596
Ship To: A.M. CASTLE AND COMPANY
3400 NORTH WOLF ROAD
FRANKLIN PARK IL 60131
Date: 5/07/2013 Page: 1 Of 1
Steel: 304/304L
Finish: Cold Draw
Dia/Thk: .5000 in
Leg Length: 144.00 in
Corrosion: ASTM A262-10 Prac A/E OK
Item Code: 15044

PRODUCT DESCRIPTION:

ASTM A193/10a-ASME SA193/10 CL 1 GR B8
GRAIN SIZE= 4-6
Round Bar, Annealed, Cold Draw
UNS 30400/30403 EN 10204 3.1, ASTM A484/11
ASTM A276/10, ASTM A479/11, ASTM A182/10 CHEM ONLY,
ASME SA479/10a, ASME SA182/10 CHEM ONLY
AMS 5639H, AMS 5647J, AMS Q08-763B, Q08-763F, ASTM F899/11
SOLUTION ANNEAL TEMP 1900F MIN, ASTM A320/08 CL 1 GR B8

REMARKS:

COMPLIES W/REQUIREMENTS OF DFR 252.225-7014A-1 EU DIRECTIVE
2011/65/EU, ROHS, EAF+AOD+CC. NO WELD REPAIR. MELTED AND MFG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight
BF38027	1809								

CHEMICAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

Chemical Analysis per ASTM A751/08

Heat	Supplier #	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %	S %
H2H2	US		.025	.22	18.12	.36	1.30	.29	.054	8.62	.031	.0220

SI %	
.23	

Castle Metals EP

HEAT NUMBER

MECHANICAL ID

ITEM CODE

LOT NUMBER

PONUMBER

RECEIPT DATE

SUPPLIER

SPECIFICATION

LCS

COMMENT

APPROVED

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS

Technical
Dept. Mgr.

ERIC HESS



Castle Metals®

A. M. Castle & Co.

**PACKING SLIP/
CERTIFICATE OF CONFORMANCE**

Page 1 of 1

Shipment No:1796462

Ship From: A. M. Castle & Co. MONTREAL - CASTLE METALS 835-SELKIRK AVENUE POINTE CLAIRE, QUEBEC H9R 3S2		Sold To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	Ship To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN	Deliver To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA
Date Shipped 25-JUN-2013	F.O.B. ORIGIN	Freight Terms Prepaid	Carrier MANITOULIN	BOL No 1796462-2

Shipment Details Final Destination Branch - MON

Order No 2914169	Line No 2	Item No 14828	Description 1.0000.RD.304/304L.STAINLESS.CF.ANN.132.0000-156.0000 SPECIFICATIONS: ASTM A276		
Purchase Order No 20231	Part Number		Ordered Qty 24.00 FT	Invoice Qty 24.0000 FT	
Details END USER: DART AEROSPACE END USE: COMMERCIAL AIRCRAFT PARTS ECCN # EAR99					
Delivery No. 118840019	Mill NORTH AMERICAN STAINLESS	Heat Number F2K8	Mech Id	PCS 2	Width (IN)
					Length (IN) 144.0000
					Shipped Qty(LBS) 64.0800

These commodities/technologies are subject to US Export Administration & US State Dept. Regulations and, if intended for export, were/are exported thereunder. Diversion contrary to US Law is Prohibited.	
We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cannot be returned for credit.	
Reviewed by Authorized Castle Metals Representative:	Date: Name:

Amf
23/06/28

NORTH AMERICAN STAINLESS
6870 HIGHWAY 42 EAST
GHENT, KY 41045

METALLURGICAL TEST REPORT



6870 HIGHWAY 42 EAST		SHIP TO:	
Certificate: 822308 10	Mail To:	A.M. CASTLE AND COMPANY	
Customer: 000032 996	A.M. CASTLE AND COMPANY	CUSTOMER PICKUP	
	801 TWIN RAIL DRIVE	MINOOKA, IL 60447	
	MINOOKA, IL 60447		
Your Order: 219341	NAS Order: IN 0165176 01	Corrosion: ASTM A262-10 Prac A/E OK	

REMARKS:

COMPLIES W/REQUIREMENTS OF DPAF 252.225-7014A-1 EU DIRECTIVE
2002.95.EC.FCHS. EAF+ROD+CC. NO WELD REPAIR. MELTED AND MFG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
UNS 30400/30403 EN 10204 3.1, ASTM A484/11
ASTM A276/10, ASTM A479/11, ASTM A182/10 CHEM ONLY,
ASME SA479/10a, ASME SA182/10 CHEM ONLY
AMS 5639H, AMS 5647J, AMS QQS-763B, QQS-763F, ASTM F899/11
SOLUTION ANNEAL TEMP 1900F MIN
ASTM A193-10/ASME SA193-10A CL 1 GR B8

Product Id	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BF1932 8		1.0000		1,830	144.00	7	1	

CHEMICAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) Chemical Analysis per ASTM A751/08

HEAT	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
F2K8	US	.0238	.1700	18.1180	.4095	1.3895	.2990	.0721	8.5870	.0335
S % SI %										
.0230 .2995										
HEAT NUMBER F2K8										
MECHANICAL ID 14828										
ITEM CODE										

MECHANICAL PROPERTIES

Product Id	1 d	HB	UTS	RA	Elong
BF1932 8	o i	No.	KSI	%	% 4D
	c r				
	R L	220.00	96.00	107.00	52.00 43.00

PO NUMBER 219341
RECEIPT DATE 4/3/13
SUPPLIER NAS
SPECIFICATION
LCS N
COMMENT
APPROVED

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical Dept. Mgr. ERIC HESS 4/02/2013



Castle Metals®

A. M. Castle & Co.

PACKING SLIP/
CERTIFICATE OF CONFORMANCE

Page 1 of 1

Shipment No: 1796462

Ship From: A. M. Castle & Co. MONTREAL - CASTLE METALS 835-SELKIRK AVENUE POINTE CLAIRE, QUEBEC H9R 3S2		Sold To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		Ship To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN		Deliver To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
Date Shipped 25-JUN-2013	F.O.B. ORIGIN	Freight Terms Prepaid	Carrier MANITOULIN	BOL No 1796462-2			

Shipment Details	Final Destination Branch - MON
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Order No 2914169	Line No 3	Item No 14832	Description 1.2500.RD.304/304L STAINLESS.CF.ANN.132.0000-156.0000 SPECIFICATIONS: ASTM A276				
Purchase Order No 20231	Part Number	Ordered Qty 12.00 FT	Invoice Qty 12.0833 FT				
Details END USER: DART AEROSPACE END USE: COMMERCIAL AIRCRAFT PARTS ECCN # EAR99							
Delivery No. 118840802	Mill NORTH AMERICAN STAINLESS	Heat Number F0K1	Mech Id	PCS 1	Width (IN)	Length (IN) 145.0000	Shipped Qty(LBS) 50.3875

These commodities/technologies are subject to US Export Administration & US State Dept. Regulations and, if intended for export, were/are exported thereunder. Diversion contrary to US Law is Prohibited.	
We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit.	
Reviewed by Authorized Castle Metals Representative:	Date: Name:

13/06/28

Castle Metals FP

HEAT NUMBER FOKI
MECHANICAL ID _____
ITEM CODE 14832
LOT NUMBER _____
PO NUMBER 205229
RECEIPT DATE 2-6-13
SUPPLIER NAS
SPECIFICATION _____
LCS N
COMMENT _____
APPROVED J



NAS NORTH AMERICAN
STAINLESS

METALLURGICAL TEST REPORT

6870 Highway 42 East
Chert, KY 41045-9615
(502) 347-6000

Certificate: 807875 18 Mail To: Ship To: Date: 2/05/2013 Page: 1 Of 1
A.M. CASTLE AND COMPANY A.M. CASTLE AND COMPANY Steel: 304/304L
1420 KENSINGTON ROAD-SUITE 220 3400 NORTH WOLF ROAD Finish: Cold Finish
OAK BROOK IL 60523 FRANKLIN PARK IL 60131 Dia/thk: 1.2590 in
Customer: 0032 001 Leg Length: 144.00 in
NAS Order: LN 93726 1 Corrosion: ASTM A262-10 Prag A/E OK
Your Order: 205229 Item Code: 14832

PRODUCT DESCRIPTION:

ASTM A193/10A-ASME SA193/10 CL 1 GR B8(EXC PAR 7.2)
GRAIN SIZE= 6-8
Round Bar, Annealed, Smooth Turned, Cold Finished
UNS 30400/30403, EN 10204 3.1, ASTM A484/11
ASTM A276/10, ASTM A479/11, ASTM A182/10 CHEM ONLY,
ASME SA479/10a, ASME SA182/10 CHEM ONLY
AMS 5639B, AMS 5647J, AMS QQS-763B, QQS-763F
NACE MR0175/MR0103(MID RADIUS ONLY), ASTM F899/11

REMARKS:

COMPLIES W/REQUIREMENTS OF DEAR 252.225-7014A-1 EU DIRECTIVE
2002.95.EC-ROHS. EAF+AOO+CC. NO WELD REPAIR. MELTED AND MFG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight
BF15549	4487								

CHEMICAL ANALYSIS

CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

Chemical Analysis per ASTM A751/08

Heat	Supplier #	CM	C %	CO %	CR %	CU %	MAN %	NO %	N %	NI %	P %	S %
FOK1	US		.022	.12	18.31	.40	1.45	.32	.038	8.51	.033	.0235
SI %												
			.26									

MECHANICAL PROPERTIES

1 d	HB	.2YS	KSI	UTS	KSI	RA	%	Elng	% 4D
BF15549	RL	153.0	54.39	93.61	71.85	54.59			

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS

Technical
Dept. Mgr.

ERIC HESS



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO20231**

Purchase Order Date 6/19/2013

PO Print Date 6/19/2013

Page Number 1 of 2

Order From : VC-MET001
METAUX CASTLE
A.M. CASTLE & CO. (CANADA) INC. - C/O 910720
P.O. BOX 4090 STN A
TORONTO, ON M5W OE9
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 514 694 9575

Ship To Contact
Ship To Phone
Ship Via: Yours ppd
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB Destination-Collect

PAID
6/23/2013

M126/51

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	List Price	Disc %	Discounted Unit Price	Extended Price
1	M304B0.250x0.500 MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE (NOTE: AISI 303 NOT ACCEPTABLE)	304 BAR .250 x .500	6/28/2013 Yes 6/28/2013		500.00 f 509.0833				\$1,215.00
Line Total:									\$1,215.00
2	M304R.500 MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 (NOTE: AISI 303 NOT ACCEPTABLE)	304 SS roundbar .500	6/28/2013 Yes 6/28/2013		48.00 f ✓				\$70.56
Line Total:									\$70.56
3	M304R1.000 AS ABOVE	304 round bar 1.00	6/28/2013 Yes 6/28/2013		24.00 f ✓ 13/4/27				\$144.72

Note:

6/19/2013



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO20231**

Purchase Order Date 6/19/2013

PO Print Date 6/19/2013

Page Number 2 of 2

Order From :
METAUX CASTLE
A.M. CASTLE & CO. (CANADA) INC. - C/O 910720
P.O. BOX 4090 STN A
TORONTO, ON M5W OE9
CA

VC-MET001

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 514 694 9575

Ship To Contact
Ship To Phone
Ship Via: Yours ppd
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB Destination-Collect

Line Total: \$144.72

4	M304R1.250	304 round bar 1.250	6/28/2013	12.00	\$114.24
	AS ABOVE		Yes 6/28/2013	f	

12.0833

43/427

Line Total: \$114.24

PO Total: \$1,544.52

N CL

Note: Pricing listed above is as per contract agreement between Dart Aerospace and the respective manufacturer.
No substitution or deviation without consent.
Certificate of Conformity or Material Certification required ☒ YES ☐ NO

Change Nbr: 2 **Change Date:** 6/19/2013